



WELCOME TO THE FUTURE...

When we set out to design the RevLite™ Medical and Aesthetic Laser, our goal was to develop a new laser capable of delivering functionality, versatility and reliability that exceeded every other laser in the industry, including our own. The RevLite™ not only met this goal, it surpassed it beyond our wildest expectations. RevLite™ and its groundbreaking PTP technology are truly a quantum leap forward for the Medical & Aesthetic Laser industry.



Functionality

RevLite's™ cutting edge PTP laser technology provides an output nearly 60% more powerful than previous laser technologies that can be safely and comfortably administered to patients. As a result, RevLite™ penetrates deeper, covers more surface area and potentially requires fewer appointments to achieve superior outcomes.

Versatility

RevLite™ raises the bar for industry leading treatments like Tattoo Removal, Pigmented Lesion Removal, Laser Toning and Laser Hair Removal, and then raises it again as the first laser to offer PhotoAcoustic Therapy Pulse (PTP) as an entirely new wrinkle reducing facial treatment.

Reliability

While RevLite's™ ground-breaking laser technology represents a great leap into the future, it's built on a foundation of experience, quality and reliability that have long since earned our lasers the reputation for being the "Workhorses" of the medical and aesthetic laser industries.

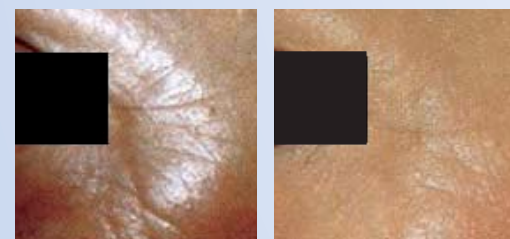
UNMATCHED TREATMENT FLEXIBILITY:

PhotoAcoustic Therapy by RevLite™

The RevLite is the only Aesthetic Medical laser to offer an entirely new form of noninvasive, wrinkle reducing laser therapy, known as PhotoAcoustic Therapy Pulse (PTP). Most lasers use longer pulses that radiate excessive amounts of thermal energy to tone facial skin. Unfortunately this process can also burn subcutaneous tissue and leave behind a dense sticky residue, which lodges in the pores and keeps them from shrinking back to their original size. PhotoAcoustic Therapy Pulse is different. Using groundbreaking EO Q-Switched PTP Frequency-Doubled Laser Technology, RevLite™ forces energy into the target molecules at such a high rate they vibrate and literally shatter. The explosive nature of this reaction forces the shattered pieces up and out of the pores leaving them clean and able to shrink back to their original size. Plus, RevLite's™ industry leading peak power with PTP allows it to penetrate deeper into tissue and stimulate collagen production at a level never before possible. The combined result is skin that's cleaner, healthier and tighter and that will become increasingly so for months following the treatment as the stimulated collagen production improves the skin's elasticity.

Laser Toning by RevLite™

The RevLite™ is the laser of choice for laser toning, non-ablative skin resurfacing for wrinkles and acne scars, through collagen regeneration. With the RevLite™, there is little risk of pigmentary changes, burns, or scars. Patients report and doctors have confirmed that they have achieved a more refreshed appearance, a reduction in fine lines and wrinkles, smoother skin texture, and a decrease in pore size.



Paul J. Frank, MD, New York, NY

Advanced Tattoo Removal by RevLite™

RevLite™ raises the "Gold Standard" for tattoo removal set by its predecessors yet again. RevLite's™ industry leading peak power and new PTP (PhotoAcoustic Therapy Pulse) mode at larger spot sizes, make penetration deeper and treatments shorter. Optional MultiLite™ hand pieces allow RevLite's™ 532 nm wavelength to be converted to either 585 nm or 650 nm giving it four completely different wavelengths. This fusion of cutting edge PTP technology and incredible versatility allows RevLite™ to treat even the most stubborn tattoos and tattoo colors effectively and efficiently, with minimal risk of scarring, skin pigment changes, or discomfort.



Bruce Saal, MD, Los Gatos, CA

Epidermal & Dermal Pigmented Lesions by RevLite™

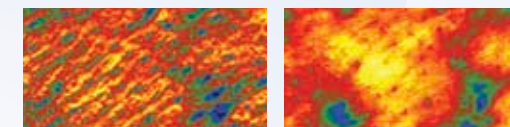
RevLite™ is perfect for treating a wide variety of epidermal and dermal pigmented lesions on all skin types, including age spots, solar lentigines, café-au-lait lesions and dermal melanocytosis (Nevus of Ota, aberrant Mongolian Spot). Most lesions can be removed quickly with little to no risk of hypopigmentation resulting in a huge profit center for your practice.



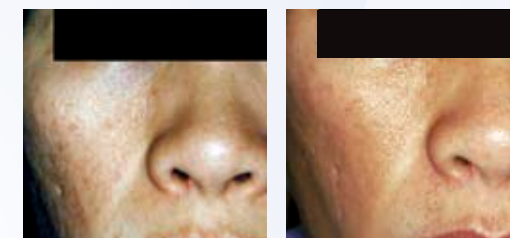
Bruce Saal, MD, Los Gatos, CA

Acne Scar Reduction by RevLite™

The RevLite™ is at the top of its field for resurfacing skin to reduce the effects and visual imperfections attributed to acne scarring. In less than five treatment sessions RevLite™ provides quantifiable and proven improvement of surface topography and overall skin tone.



Roy Geronemus, MD, New York, NY



Bruce Saal, MD, Los Gatos, CA

Laser Peel by RevLite™

The RevLite™ laser peel corrects cutaneous signs of photoaging associated with long-term ultraviolet damage. This skin rejuvenating treatment improves pigment irregularities, textural problems and decreases pore size. In a single treatment, patients will see a clear improvement in the condition of their skin with no down time or purpura.



Bryan Rubach, MD, Aurora, IL

Hair Reduction by RevLite™

With the industry's largest spot size and ground-breaking EO Q-Switched PTP Laser Technology, RevLite™ is ideal for laser hair reduction and safe for all skin types including tanned skin during the summer months. RevLite™ not only removes more hair faster, it does it safely with less patient discomfort than older laser technologies. This makes RevLite™ a superior revenue generator by allowing you to treat more patients in less time, retain patients you might otherwise lose as a result of treatment discomfort and increases your likelihood of generating more new patient referrals.



David Sire, MD, Fullerton, CA

Vascular Lesion Removal by RevLite™

The RevLite's™ proven 532 nm and 585 nm wavelengths have been shown clinically effective at removing an incredible variety of vascular lesions. These include but are not limited to telangiectasia, angiomas, spider veins, port wine stains and Campbell de Morgan spots, a number of them having been previously treated by competitive laser systems unsuccessfully.



David Goldberg, MD, Westwood, NJ

Join the *REvolution.*



REVOLUTIONARY TECHNOLOGY

EO Q-Switched PTP Frequency-Doubled Laser Technology

The EO (Electro-Optic) Q-Switch provides an extremely high-speed shutter, which allows the RevLite™ to produce pulses of just 5-20 nanoseconds in length.

Nanosecond pulse duration and high repetition rates limit the healthy tissue's exposure to heat build-up, and offers extremely safe, fast and effective treatments.

Peak power output of 275 megawatts generates energy output 60% greater than that of previous laser technologies at the 6 & 8 mm spot sizes.

The combination of high peak power and nanosecond pulse duration generates a PhotoAcoustic effect on target structures causing them to vibrate and then shatter.



Intuitive User Interface

RevLite's™ new multi-level, touch screen user interface features intuitive navigation and exceptional flexibility. Users can choose select from RevLite's numerous treatment-specific presets and even create custom presets to fit their particular needs and preferences.

AimLite™ Aiming Beam

Our acclaimed AimLite™ aiming beam feature optimizes the RevLite's™ applications and helps to improve the users precision for close detail work where accuracy is of the utmost importance.

Still the Workhorse

The RevLite™ is built upon the same reliable foundation that gained its predecessors reputation as the "Workhorses" of the Medical & Aesthetic Laser Industry. If you're looking for a laser that is as reliable as it is advanced, no other laser comes close to the RevLite™.



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OPTIONAL REVOLITE™ FEATURES

PurpuraLite™:

The PurpuraLite™, our exclusive chromophore-clearing device, minimizes purpura by temporarily "emptying" the fine blood vessels under the treatment area, eliminating the "red" chromophore that would typically absorb energy and create a purpuric response.



MultiLite™ Dye Handpieces:

These non-hazardous, dye-impregnated polymer rods convert the 532 nm wavelength to either 585 nm (yellow) or 650 nm (red). With the addition of the MultiLite™ hand pieces, RevLite™ effectively offers four wavelengths in one laser system providing a truly incredible range of treatment options.



About HOYA ConBio

A U.S. laser manufacturer since 1977, Hoya ConBio has been a leading provider to the global medical and dental communities for over 15 years. The company's innovative technology is highly versatile, effective, and offers rapid return on investment. Fremont, CA-based Hoya ConBio is a fully owned subsidiary of Hoya Corporation, a \$2.5 billion leader in optical solutions for information technology, vision care, and medical devices.

Our laser team is constantly looking for new applications for the RevLite™ Laser. The RevLite Q-Switched Nd: YAG Laser System is indicated for the treatment of Epidermal Pigmented Lesions, Treatment of Dermal Pigmented Lesions Nevus of Ota, Incision, Excision, Ablation, Vaporization of Soft Tissue for General Dermatology, Dermatologic and General Surgical Procedures for Coagulation and Hemostasis, Laser skin resurfacing procedures for the treatment of acne scars and wrinkles, Tattoo Removal: Dark Ink: (Black & Blue) Light Ink: (Red, Sky Blue, Green), Treatment of Vascular Lesions, Removal or lightening of unwanted hair with or without adjuvant preparation. Copyright 2007 HOYA ConBio. All Rights Reserved.

SPECIFICATIONS

RevLite™

Laser Parameters

Laser Medium Nd:YAG & Dye Impregnated Polymers
Operating Parameters EO Q-Switched, PTP Frequency Doubled

Nominal Delivered Energy at end of Articulated Arm with no Hand piece

1064 nm 1.6 Joule
532 nm 500 mJ

Converted Wavelengths

585 nm 300 mJ
650 nm 200 mJ

Maximum Pulse Energy Density at:

1064 nm 12.0 J/cm² @ 3.0 mm spot size
532 nm 5.0 J/cm² @ 3.0 mm spot size
585 nm 10.0 J/cm² @ 2.0 mm spot size
650 nm 6.5 J/cm² @ 2.0 mm spot size

Pulse Width 5-20 ns
Treatment Repetition Rate PTP, single shot, 1,2,5 and 10 pulses per second (Hertz)

Aiming Beam

650 nm, <1 mw 3 intensity levels

Spot Sizes

1064 nm 3, 4, 6 & 8 mm
532 nm 2, 3, 4 & 6 mm
585 nm 2 & 3 mm
650 nm 2 & 3 mm

Physical Parameters

Input Power 220 V, Single Phase, 50/60 HZ, 10 Amps at 220V AC
Weight 70 kg
Size 72.5 cm depth
30.5 cm width

81 cm height without articulated arm
113 cm height with articulated arm
articulated arm
closed cycle water to air heat exchanger

Beam Delivery Cooling



992-9176 Rev. A

ISO13485

REVOLITE™

